

## Claims

1. Radiation-curable composition, comprising (a) at least one (meth)acrylated  
5 styrene allyl alcohol copolymer obtained from the (meth)acrylation of a styrene allyl  
alcohol (SAA) copolymer with (meth)acrylic acid and/or one or more  
alkyl(meth)acrylates, and (b) at least one alkoxyated acrylated monomer.
2. Composition according to claim 1, comprising 10-90% by weight  
10 (meth)acrylated SAA copolymer and 10-90% by weight alkoxyated (meth)acrylated  
monomer, each based on the total weight of the (meth)acrylated SAA copolymer and  
alkoxyated (meth)acrylated monomer.
3. Composition according to any of the preceding claims, wherein the alkoxyated  
15 (meth)acrylated monomer is selected from the group consisting of alkoxyated triol  
tri(meth)acrylates, alkoxyated diol di(meth)acrylates, preferably alkoxyated  
(meth)acrylated bisphenol A derivatives, more preferably oxyethylated.
4. Composition according to claim 3, wherein the alkoxyated (meth)acrylated  
20 monomer is selected from the group consisting of ethoxyated glycerol  
tri(meth)acrylates, propoxyated glycerol tri(meth)acrylates, ethoxyated  
neopentylglycol di(meth)acrylates, propoxyated neopentylglycol di(meth)acrylates,  
ethoxyated trimethylolpropane tri(meth)acrylates, propoxyated trimethylolpropane  
tri(meth)acrylates, (meth)acrylated bisphenol A ethoxyates, (meth)acrylated bisphenol  
25 A propoxyates, alkoxyated ditrimethylolpropane tetra(meth)acrylates, alkoxyated  
pentaerythritol tetra(meth)acrylates and alkoxyated dipentaerythritol penta/hexa  
(meth)acrylates.
5. Composition according to any of the preceding claims, further comprising one  
30 or more compounds selected from pigments, photoinitiators, and ink additives, such  
as stabilizers, substrate wetting agents, anti-foam agents, adhesion promoters,  
dispersing agents etc.
6. Process of preparing a radiation-curable composition, comprising the steps of  
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  - a) admixing a styrene allyl alcohol (SAA) copolymer with at least one  
alkoxyated polyol and
  - b) in-situ (meth)acrylating the mixture obtained under a).

7. Radiation-curable composition obtainable by the process of claim 6.
8. Use of the radiation-curable composition as claimed in any of claims 1-5 or 7  
5 as ink vehicle or ink.
9. Polymeric composition obtainable by curing the radiation-curable composition as claimed in any of claims 1-5 or 7.
10. Substrate partially or entirely coated with the polymeric composition as  
10 claimed in claim 9.